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ABSTRACT OF DISCLOSURE

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Composition for and method of stimulating growth of plants, e.g. increase in crop production. The composition comprises a carbon skeleton/energy component, typically a sugar or mixture of sugars; a macronutrient component providing the elements nitrogen, phosphorous, potassium and calcium, preferably also magnesium and sulfur; a micronutrient component providing zinc, iron and manganese, preferably also copper, boron, molybdenum and cobalt. The composition also preferably contains a vitamin/cofactor component and an enhancement component. The composition may be in the form of an aqueous solution or in a form suitable for coating seeds or coating pollen. It may be applied as a foliar spray, as a soil amendment, as a root dip or as an injectable solution. Preferably where, for example, it is used as a foliar spray it is applied at intervals at different stages of growth.

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